Amendments to the Specification:

Please replace paragraph [0037] with the following replacement paragraph:

[0037]   First horizontal geometry correction circuit 410 generates a first horizontal correction signal component S1. FIG. 5 shows a waveform for first horizontal correction signal component S1. First horizontal correction signal component S1 has a parabolic portion 510 and an undefined portion 512. The parabolic portion 510 corresponds to vertical active time t_{VA}, that is, the time when the electron beam starts drawing the first line at the top left of the raster display to the time when the electron beam stops drawing the last line at the bottom right of the raster display. Undefined portion 512 corresponds to vertical retrace time t_{VR}, that is, the time when the electron beam stops drawing the last line at the bottom right of the raster display to the time when the electron beam starts drawing the first line at the top left of the raster display. Parabolic portion 510 is used ~~the~~to modulate the amplitude of a horizontal sawtooth signal (not shown) that is used for the horizontal deflection current signal I_H.

Please replace paragraph [0039] with the following replacement paragraph:

[0039]   The present invention overcomes this problem by using second horizontal geometry correction circuit 430 to generate a second horizontal correction signal component S2. FIG. 5 shows a waveform for a second horizontal correction signal component S2. Second horizontal correction signal component S2 has a parabolic portion ~~520~~522 and an undefined portion ~~522~~520. ~~Parabolic~~Undefined portion 520 corresponds to vertical active time t_{VA} and parabolic portion 522 corresponds to vertical retrace time t_{VR}.